Instructions for Supplemental Permit Application Form
METAL PLATING AND SURFACE TREATMENT OPERATIONS

(Instructions for completing Form No. DEP-AIR-APP-206)

All applicants for a permit for a stationary source, as defined in Section 22a-174-1 of the Regulations of Connecticut State Agencies (RCSA), must complete the appropriate supplemental application forms to provide information to quantify the emissions from each source or point of emissions which makes up that stationary source. When applying for a permit for a manufacturing or process *line* which has a series of emission points, *each of these manufacturing or process lines is considered a unit while the series of emission points which make up that manufacturing or process line are considered subunits.*

This supplemental application form must be completed for new or modified sources such as: etching, pickling, acid dipping, electropolishing, electroplating, anodizing, sandblasting operations and metal cleaning other than degreasing.

Please complete a separate form for each distinct processing line. (You may reproduce this form as necessary.) Complete each item as appropriate. If a specific item does not apply to your situation mark it N/A (not applicable). If additional space is needed to answer a question stated in the application, attach separate sheet(s) as necessary, clearly identifying the applicant name, form name and item number, process line and subunit number.

Attach a process flow diagram indicating all units, air pollution control equipment and stacks, as applicable. See a sample process flow diagram in the main instructions (DEP-AIR-INST-200) for guidance. Also, *for each product stored in a tank, you must attach a Material Safety Data Sheet (MSDS). (These are available from the product's supplier or are shipped with the product when it is purchased.)*

You must also complete the *Air Pollution Control Equipment* form (DEP-AIR-APP-210) to provide details of the air pollution control equipment used, the *Stack Parameters* form (DEP-AIR-APP-211) to provide parameters of the stack(s) associated with each unit, *and* the *Unit Emissions* form (DEP-AIR-APP-212) to provide emission rates of each unit.

Note: The data provided in these forms (such as maximum anticipated make-up rates, maximum operating hours, etc.) will be used to define the operating limits in your permit.

Process Line Number: Identify the reference or unit number assigned to the distinct process line. Use the same numbering system that was used in completing Part I: Application and Source Type of the form *Permit Application for New Source Review Stationary Sources of Air Pollution* (DEP-AIR-APP-200). Please use a consistent reference number for each process line throughout the application package. Please complete a separate form for each distinct process line.

Process Description: Describe the process or end product.

Indicate (AYes@ or ANo@) whether the process line is subject to Title 40 of the Code of Federal Regulations (CFR) Part 60, New Source Performance Standards (NSPS) or Title 40 CFR Part 63, Maximum Achievable Control Technology (MACT). If the answer is yes to either Part 60 or Part 63, please specify the appropriate subparts.

Section I: General

1. *Subunit Number* - Assign a reference number to each emission point or subunit which makes up the distinct process line. Base this reference number on the same

numbering system that was used in completing Part I: Application and Source Type of the form *Permit Application for New Source Review Stationary Sources of Air Pollution* (DEP-AIR-APP-200). For example, if the number assigned to a distinct process line is U1, the subunits which make up this particular process line would be U1a, U1b, etc. Use separate rows to identify each distinct piece of equipment. Enter the number in the subunit number column (1) on both pages.

2. *Tank Function* - Describe the operation in each tank (e.g., nickel plating, etc.) or its function.

3. *Construction Date* - List each subunit's actual or anticipated construction date. Please refer to the definition of "Begin actual construction" in RCSA Section 22a-174-1 in order to properly complete this item.

4. *Maximum Operating Schedule* - Estimate your maximum operating schedule in hours per day and hours per year.

5. *Tank Temperature* - Indicate the operating temperature in ^{o}F of each tank.

6. *Tank Size* - Indicate each tank's maximum design volume in gallons. This information is specified by the manufacturer and can often be found on the equipment nameplate. If unknown, this information can be obtained from the manufacturer.

7. *Tank Surface Area* - Indicate each tank top's surface area dimensions and specify the measurement units (e.g., square feet, etc.).

8. *Tank Amperage* - Indicate each tank's amperage and specify the measurement units (e.g., amps).

9. *Contents in Tank* - List the tank's contents by brand name or chemical composition in weight percentages (e.g., phosphoric acid-10%, water-90%, etc.). *Attach a Material Safety Data Sheet for each product in the tank*. These forms are available from the product's supplier or are shipped with the product when it is purchased. If additional space is needed to answer this item, attach separate sheet(s) as necessary, clearly identifying the applicant name, form name and item number, process line and subunit number.

10,11. *Maximum Hourly/Yearly Make-up Rate* - Indicate the maximum anticipated hourly and annual make-up rate and specify the measurement units (e.g., pounds per hour, pounds per year) under worst case operations. Make-up rate refers to the rate that the tank is replenished with chemicals.

12. *Type of Material Being Processed* - Indicate the material or product being processed in the tank (e.g., metal tubes, wrenches, etc.).

Section II: Non-Chemical Surface Preparation Only

1. Subunit *Number* - Enter the subunit number. Please be sure to use the same number you indicated in Section I, Item 1.

2. *Type of Abrasive* - For non-chemical surface preparation (e.g., sandblasting) indicate the type of abrasive used (e.g., sand, grit, shot, etc.).

3. *Hourly Quantity of Abrasive Used* - Indicate the design hourly flow rate of abrasive through the nozzle(s).

4. *Percent Wet* - Indicate the percentage of time that wet blasting is performed in the operation.

5. *Enclosure?* - Indicate (Yes or No) if the operation is totally contained in an enclosure, such as a cabinet or a dedicated room.

6. *Maximum Operating Schedule* - Estimate your maximum operating schedule in hours per day and hours per year.